Functional Requirements:

The System has 2 types of users roles which {Admin , User } and every type has different basic function

* **Registration** :Every parson can view the store but only the members can checkout it become control by administrator. For being member of website, the customer need to register for membership.
* **login** : After registration user will get user ID and password through which user can login to access the system.
* User Profile:The User Profile page is area that given user maintains his her own information. The user can only change his/her password required. The user can browse and search the item and add to shopping cart and can checkout and also the user can edit profile that include change shipping address and details. For other information to be changed, the super admin and admin privilege is required.
* **Search bike & bike parts** : Customer must be able to view his/her orders history. Each customer must be able to view placed order status. Customer should be able to validate and confirm their invoice**.**
* **View** : the user can view the bike and the color and parts .
* **Add to Cart** : User can select the product and add to the shopping cart which he wants to purchase.
* **Add product** : Admin could add products to his stock on the website
* **Remove product**: Admin could remove products from his stock on the website before being consumed by the customers
* **Rent Bike :** in this module user must register himself for renting bike he will be charged according to rent per day basic.  
  **Add article** : Bikers can post article and registered user can comment over it .
* **Sell Bike** :in this module user can sell their bikes and get response from other user where admin will get to know about the item user will sell it .
* **Check servicing** : in this module user can register for bike service, where admin will get to know about date and time user wants to come for service .
* **Rate**: users could rate the product after purchasing it and post a

comment on it.

* **Reset Password** :If user forgets his password he can just click forget password, and he will be asked to enter user id and email id and new password can be sent on user’s email Id, From which he can login into the system

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| --- | --- |
| Function name | Login |
| Actors | Admin ,User |
| Pre – Condition | Data is found |
| Basic flow | Enter id && password |
| Post condition | Actor will access his / her account successfully |
| Alternative flow | If data not found in database error message will appear |

|  |  |
| --- | --- |
| Function name | Registration |
| Actors | User |
| Pre – Condition | Valid password and id |
| Basic flow | Enter all data  Press register button |
| Post condition | Actor registered his / her account successfully |
| Alternative flow | If un valid data found an error message will appear |

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| --- | --- |
| Function name | **Search** |
| Actors | User |
| Pre – Condition | Valid search words |
| Basic flow | Enter the keyword to search |
| Post condition | Actor will found his / her search successfully |
| Alternative flow | If data not found in database return to search box else view the item |

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| --- | --- |
| Function name | **View** |
| Actors | User , admin |
| Pre – Condition | The user has account registered |
| Basic flow | View the bike color and price |
| Post condition | Display the search results |
| Alternative flow | If item not found in database display an error |

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| --- | --- |
| Function name | **Add to Cart** |
| Actors | User |
| Pre – Condition | The user has account registered |
| Basic flow | Add item to cart and quantity  calculate price |
| Post condition | Display the result |
| Alternative flow | If data not found in database display an error |

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| --- | --- |
| Function name | **Rent** |
| Actors | User |
| Pre – Condition | The user is registered |
| Basic flow | Fill data |
| Post condition | Add data to the data base  Make payment |
| Alternative flow | If data unvalid display an error |

|  |  |
| --- | --- |
| Function name | **Rent** |
| Actors | User |
| Pre – Condition | The user is registered |
| Basic flow | Fill data |
| Post condition | Add data to the data base  Make payment |
| Alternative flow | If data unvalid display an error |

|  |  |
| --- | --- |
| Function name | **Add bike** |
| Actors | admin |
| Pre – Condition | Admin loged in successfully |
| Basic flow | Fill data addition form |
| Post condition | Add data to the data base |
| Alternative flow | If data unvalid display an error |

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| --- | --- |
| Function name | **Remove bike** |
| Actors | admin |
| Pre – Condition | Admin log in successfully  Data found |
| Basic flow | Fill data |
| Post condition | Remove data from the data base  Make payment |
| Alternative flow | If data unvalid display an error |

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| --- | --- |
| Function name | **payment** |
| Actors | User |
| Pre – Condition | The user is registered  The user has valid credit |
| Basic flow | Choose available bike  Choose payment cash or online  Fill cc data |
| Post condition | Add data to the data base  o |
| Alternative flow | If data unvalid display an error |

|  |  |
| --- | --- |
| Function name | **Add blog** |
| Actors | User |
| Pre – Condition | The user is registered |
| Basic flow | Add article  Add comment |
| Post condition | Add data to the data base |
| Alternative flow | If user not registered display an error |

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| --- | --- |
| Function name | **Check servising** |
| Actors | User |
| Pre – Condition | The user is registered |
| Basic flow | If the service available  Make payment  Select available data |
| Post condition | Add data to the data base |
| Alternative flow | If user not registered display an error |

|  |  |
| --- | --- |
| Function name | **Rate** |
| Actors | User |
| Pre – Condition | The user is registered |
| Basic flow | Add feedback |
| Post condition | Add data to the data base |
| Alternative flow | If user not registered display an error |

|  |  |
| --- | --- |
| Function name | **Add blog** |
| Actors | User |
| Pre – Condition | The user is registered |
| Basic flow | Add article  Add comment |
| Post condition | Add data to the database |
| Alternative flow | If user not registered display an error |

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| --- | --- |
| Function name | **Forget password** |
| Actors | User |
| Pre – Condition | The user is registered  Valid password |
| Basic flow | Add new password |
| Post condition | Add data to the database |
| Alternative flow | If user not registered or password not valid display an error |

**High Priority:**

-The system shall reflect a new and changed product description within x minutes of the database being updated by the product owner.

-The system shall display information that is customized based on the user.

The system shall provide accounting with accurate purchase transaction data.

-The system shall provide shipping with accurate order data. This will allow the order to be processed in x days and inventory to be updated within y hours.

-The system shall allow a customer to upload their products to sale.

**Medium Priority**

The system shall provide a search facility that will allow full-text searching of all web pages that the user is permitted to access. The system must support the following searches:

* find all words specified
* find any word specified
* find the exact phrase

## **Low Priority**

The system shall allow the user's status to be stored for the next time he returns to the web site.

The system shall provide marketing with customer navigation information.

The system shall translate web pages into the languages of the countries where the company's products are available.

**Non-Functional Requirements**

**Usability:**

Usability is crucial in website development. Because whether you are doing online store or online application, the page for users to make him easy and fun to use is a key; efficient to use, easy to use and consistent interface can help enhance usability.  
- Efficient to use.  
- Easy to use.  
- Consistent interfaces

**prefermance**:

 Fast Response Time for User Login  
The average response time for user login after entering user name and password should be  
no more than 3 sec and the maximum response time should be 10 seconds.  
- Fast Average Time for Rendering a Page  
After clicking on any link the result should be rendered within no more than 1 second in  
 - Minimum number of concurrent users  
The application should be able to address at least 600 users concurrently

**Network security :**is a complicated subject, however, it is becoming more and more important as people spend more and more time connected. n a Web shop system, network security starts from authenticating the user with a user name and password, for authentication, users have to use password with strongly of security, and also need to change it usually.

**Data security** :

The damage of the hard drive is one of threat factors for data security. A hard drive physical damage means loss of data. Loss of equipment operation, storage media failure, in order to ensure data security, redundant arrays of inexpensive disks(RAID), hierarchical storage management can solve it, and it use in modern system.

***System Requirements:***

▪ Safety .

▪ Security .

▪ Works on an online host.

▪ SEO (Search Engine Optimization).

**Domain Requirements Specification:**

**• User can't sell bike without admin approve .**

**• Bike or scooter will be deleted form system if it has any problem.**

**User can’t make order without register in the system .**